

1 **ABSTRACT**

2 Briefly and not exclusively, systems, methods, and articles are described for
3 lowering the gain of the first bands of an equalizer. The gain of the first bands of
4 the equalizer are lowered in response to a user adjusted raised gain in the second
5 band of the equalizer. The system includes a gain calculator to determine the
6 lowered first band gains. In one implementation, the gain calculator is configured
7 to determine the lowered first band gains so that the overall power represented by
8 the equalizer audio output signal does not increased. In one implementation, the
9 gain calculator is configured to determine the lowered first band gains so that the
10 overall volume represented by the equalizer audio output signal increases a
11 fraction of the increased volume caused by the raised second band gain.

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